

Original Articles

- 1 **Innervation of the Lower Eyelid in Relation to Blepharoplasty and Midface Lift: Clinical Observation and Cadaveric Study With Invited Discussion by Oscar M. Ramirez, MD** Kun Hwang, MD, PhD  
Dae Kwang Lee, MD  
Eun Jung Lee, MD, PhD  
et al
- Symptomatic ectropion was attributed to denervation of the pretarsal orbicularis muscle in two patients who had undergone midface lift via lower blepharoplasty incisions. Cadaver dissections demonstrated a circular "critical zone" for injury centered 2.5-cm infero-laterally from the lateral canthus.*
- 8 **Nasal Dermoid Sinus Cysts and the Role of Open Rhinoplasty** Ufuk Bilkay, MD  
Hakan Gundogan, MD  
Cuneyt Ozek, MD  
et al
- Four of eight nasal dermoid sinus cysts were excised satisfactorily through an open rhinoplasty approach, thus eliminating a conspicuous scar.*
- 15 **Treadmill Injuries to the Upper Extremity in Pediatric Patients** Christine Carman, MD  
Benjamin Chang, MD
- Twelve children sustained upper extremity abrasions and lacerations while using treadmills, six of them requiring surgical intervention. Most were injured when the hand was caught under the rear end of the treadmill where the belt wrapped around the roller.*
- 20 **The Outcome of the Nonoperated Contralateral Hand in Carpal Tunnel Syndrome** Eul-Sik Yoon, MD  
Hee-Kyu Kwon, MD  
Hang-Jae Lee, MD  
et al
- Unilateral carpal tunnel releases in 20 patients with documented bilateral disease resulted in long-term improvement of contralateral symptoms in 15 without additional surgery.*
- 25 **The Posterior Interosseous Reverse Flap: Experience With 113 Flaps** F. Brunelli, MD  
P. Valenti, MD  
C. Dumontier, MD  
et al
- One hundred thirteen reverse posterior interosseous flaps were used to resurface distal forearm and hand injuries with only three flap losses. Six patients had transient paralysis of the wrist or finger extensors, but all recovered completely within 6 months.*
- 31 **Combined Laser Therapy for Difficult Dermal Pigmentation: Resurfacing and Selective Photothermolysis** Seung Ha Park, MD  
Sang Hwan Koo, MD  
Eung Ok Choi, MD
- Nevi of Ota or congenital nevi were treated in 123 Korean patients with the Q-switched ruby laser with or without additional CO<sub>2</sub> laser treatment. Those treated with both lasers achieved excellent results in less time with fewer treatments.*

- 37 Potential Use of Beards for Single-Follicle Micrografts: Convenient Follicle-Harvesting Technique Using an Injection Needle**

*Single-follicle hair transplants were successfully harvested by the use of an 18-gauge injection needle for eyebrow reconstruction.*

Takashi Hirai, MD  
Naoko Inoue, MD  
Ken Nagamoto, MD
- 41 The Fate of the Failed Second-Attempt Free Flap**

*Nineteen free flap failures underwent second attempts, with a 50% success rate in eight immediate attempts and 63.7% in delayed attempts. The requirement for vein grafts was correlated with a higher rate of failure.*

Geoffrey G. Hallock, MD
- 47 Concomitant Ipsilateral Pedicled Fibular Transfer and Free Muscle Flap for Compound Tibial Defect Reconstruction**

*Three compound lower extremity defects were successfully reconstructed with one-stage pedicled fibular transfers combined with free muscle flaps anastomosed to the distal runoff of the fibular pedicle.*

Seng-Feng Jeng, MD, FACS  
Yur-Ren Kuo, MD  
Fu-Chan Wei, MD, FACS  
et al
- 53 Breast Reconstruction Among Inner City Women With Breast Carcinoma**

*A questionnaire survey of 60 inner city mastectomy patients with and without breast reconstruction demonstrated greater overall satisfaction and sexual readjustment among those reconstructed. The most common reason for not undergoing reconstruction was lack of information concerning its availability.*

Michelle Zweifler, MD  
Estelamari Rodriguez, BS, MPH  
James Reilly, MD, MPM, FACS  
et al
- 60 Repositioning and Flap Placement in Fingertip Injuries**

*Thirty distal digital amputations were treated by replacing the amputated part (minus volar pulp skin) and resurfacing the pulp with a homodigital neurovascular flap. Full length and normal nail growth were observed, with average 8-mm 2-PD and 60° DIP joint mobility.*

Jefferson Braga-Silva, MD, PhD  
Marcos Jaeger, MD
- 64 Modified Bilateral Neurovascular Cheek Flaps: A New Technique for Reconstruction of Extensive Upper Lip Defects**

*A modified bilateral neurovascular cheek flap is presented for major upper lip reconstruction. The method preserves sensibility and the original position of the oral commissure.*

Bowornsilp Chowchuen, MD  
Palakorn Surakunprapha, MD
- 70 Bacterial Flora of *Hirudo medicinalis* and Their Antibiotic Sensitivities in the Middle Black Sea Region, Turkey**

*Surface, mouth, and gut cultures from 16 adult Black Sea leeches (*H. medicinalis*) demonstrated the frequent presence of *Aeromonas hydrophila*, *Ochrobacter anthropi*, and numerous other bacterial species, susceptible to numerous commonly used antibiotics.*

Cafer Eroglu, MD  
Murat Hokelek, MD, PhD  
Ethem Guneren, MD  
et al

- 74 **In Vivo Cultured Skin Composed of Two-Layer Collagen Sponges With Preconfluent Cells With Invited Discussion by Steven Boyce, PhD** Naoki Morimoto, MD  
Shigehiko Suzuki, MD  
Byung Mook Kim, MD  
et al

*Collagen sponges seeded with human dermal fibroblasts and epidermal keratinocytes were cultured and grafted onto full-thickness dorsal mouse wounds. The artificial skin took histologically, and human-type IV and VII collagen were stained immunohistochemically.*

#### Case Reports

- 83 **Island Radial Artery Fasciotendinous Flap for Dorsal Hand Reconstruction** R. Adani, MD  
L. Tarallo, MD  
I. Marcoccio, MD
- 86 **Microvascular Temporalis Fascia Transfer for Penile Girth Enhancement** Ahmet Küçükçelebi, MD  
Nilgün Markal Ertaş, MD  
Asım Aydın, MD  
et al

#### Tips and Techniques

- 89 **Split Earlobe Repair Using a Double-Flap Technique** J. J. Staiano, FRCS  
N. S. Niranjani, FRCS

#### Editorial

- 92 **Collateral Damage** William D. Morain, MD

#### Letters

- 93 **Re: Use of Specialized Bone Screws for Intermaxillary Fixation** Cyrus Nikkha, BDS, FDS, RCS(Eng)  
Simon Wright, BSc, BDS, MFDS, RCS(Eng)  
M. K. Thompson, BDS, MBBS, MSc,  
R–RCS, FDS, RCPS  
et al

- 93 **Reply** Andrew M. Schneider, MD  
Lisa R. David, MD  
Anthony J. DeFranzo, MD  
et al

- 93 **The Use of Omentum as a Free Flap to Reconstruct the Upper Portion of the Mediastinum Without a Substernal Tract** Choong Jae Lee, MD, PhD  
Chung Woo Kim, MD  
In Ho Kwak, MD  
et al

- 95 **Orocutaneous Fistula Arising Secondary to Irritation of an External Dental Prosthesis and its Reconstruction Using a Nasolabial Island Flap** Alp Aslan, MD  
Aret Çerçi Özkan, MD  
Hülya Aydın, MD  
et al

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| 96  | <b>The Usefulness of a Fresh Chicken Leg as an Experimental Model During the Intermediate Stages of Microsurgical Training</b> | Mariarosaria Galeano, MD<br>Andrea Giuseppe Zarabini, MD                        |
| 97  | <b>Re: Tuberos Breast Deformity: Principles and Practice</b>   | Darryl J. Hodgkinson, MD  |
| 98  | <b>Rarely Seen Cutaneous Lesions in an Elderly Patient: Malignant Transformation of Multiple Trichoepithelioma</b>             | Meltem Ayhan, MD<br>Gokhan Adanali, MD<br>Dilek Senen, MD<br>et al              |
| 99  | <b>Symmetrically Localized Multiple Pilomatrixomas</b>   | Alper Sari, MD<br>Osman Latifoğlu, MD<br>Reha Yavuzer, MD                       |
| 99  | <b>Dermis–Fat Graft for Facial Lipodystrophy in HIV-Positive Patients: Is it Worthwhile?</b>                                   | Gottfried Wechselberger, MD<br>Mario Sarcletti, MD<br>Romed Meirer, MD<br>et al |
| 100 | <b>Use of Calf Implants to Reconstruct Contour Deformities of the Buttock and Thigh</b>  | Ali Barutcu, MD<br>Husamettin Top, MD<br>Adnan Menderes, MD                     |
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Number 2/August 2001

**Original Articles**

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| 107 | <b>Evolving Concepts in Breast Reconstruction With Latissimus Dorsi Flaps: Results and Follow-up of 121 Consecutive Patients</b>   | H. Menke, MD, PhD<br>M. Erkens<br>R. R. Olbrisch, MD, PhD                                   |
|     | <i>A review of 121 latissimus breast reconstructions demonstrated no flap losses but with 60% seromas, 5% hematomas, 3% minor dehiscences, and 2% infections. Extended fat pad obviated the need for implant in 16, and skin paddle placement in the bra line was preferred.</i> |   |
| 115 | <b>Liposuction as an Adjunct Procedure in Reduction Mammoplasty</b>  | Mark F. Price, MD<br>Brandon Massey, BS<br>Peter M. Rumbolo, MD<br>Christian E. Paletta, MD |
|     | <i>In a review of 70 consecutive reduction mammoplasties, the addition of lateral liposuction (with or without ultrasound) was of aesthetic benefit but did not increase the rate of complications.</i>  |   |

- 119     **Results of Cranial Vault Reshaping With Invited Discussion by John Persing, MD**  
*A retrospective review of 10 children undergoing cranial vault reshaping demonstrated normal results with sagittal craniosynostosis and improved results with syndromic conditions. Increased intracranial pressure postoperatively required treatment in 2, and secondary removal of titanium hardware was needed in 2.*  

M. Zakir Sabry, MD  
Isaac L. Wornom, III, MD  
John D. Ward, MD
  
- 127     **Cross-Foot Island Instep Flap: A New Use of Instep Skin Flap for Management of Persistent Wounds After Complex Plantar Foot Reconstruction**  
*The cross-foot instep island flap was successfully used in 4 cases in which previous plantar or stump reconstruction with muscle flaps had resulted in chronic breakdown. Durable cover was achieved in all cases, suggesting the choice of this option when local vascularity does not favor use of free transfers.*  

Mustafa Nişancı, MD  
Bahattin Çeliköz, MD  
Haluk Duman, MD
  
- 134     **Nonendoscopic Harvest of the Gastrocnemius Muscle Flap Through a Small Incision**  
*Ten gastrocnemius muscle flaps were harvested through small incisions without use of the endoscope. Complications included 1 hematoma and 1 infection.*  

Chih-Cheng Tsai, MD  
Tsai-Ming Lin, MD  
Chung-Sheng Lai, MD  
et al
  
- 138     **Development of a Clinically Useful Mechanical Leech Device that Promotes Flap Survival in an Animal Model of Venous-Congested Skin Flaps**  
*A mechanical leech device using cyclic suction was tested in a congested rat abdominal flap model. Flaps treated with the mechanical leech showed greater surviving area than both leech-treated and control flaps.*  

Patrick S. Cottler, PhD  
Thomas C. Skalak, PhD
  
- 148     **Vascular Resistance in Human Muscle Flaps**  
*Intraoperative assessment of vascular resistance was carried out at the time of harvest of 15 gracilis, rectus abdominis, and latissimus muscle flaps. Larger muscles were found to have less vascular resistance, suggesting that larger flaps should be used when high flow-through is critical.*  

R. C. Mahabir, MD  
J. S. Williamson, MD, FRCS  
N. J. Carr, MD, FRCS  
D. J. Courtemanche, MD, FRCS
  
- 153     **Experimental Model of Pyridoxine (B<sub>6</sub>) Deficiency-Induced Neuropathy**  
*In a rat model of total dietary pyridoxine deficiency, hind-limb walking-track patterns demonstrated abnormalities as early as 8 months that were subsequently corrected by restoring dietary pyridoxine. Morphometric analysis of B<sub>6</sub>-deficient posterior tibial nerves in the tarsal tunnel showed decreased nerve fiber density and an increased axon/myelin ratio.*  

A. Lee Dellon, MD  
Evan S. Dellon, MD  
Patsy L. Tassler, PhD  
et al

- 161 **A New Flap Model in Rats: Iliac Osteomusculocutaneous Flap**  
*A rat osteomusculocutaneous flap based on the ilio-lumbar vessels contained viable iliac bone, adjacent muscle, and extensive dorsal skin. The flap was successfully transferred 5 times each as a pedicle and free flap, confirming its value as a model in experimental flap studies.*  
Ömer Özkan, MD  
Mustafa Akyürek, MD  
Tunç Şafak, MD  
et al
- 168 **The Effect of Trimetazidine on the Survival of Rat Island Skin Flaps Subjected to Ischemia–Reperfusion Injury**  
*In a rat inferior epigastric artery flap model of ischemia-reperfusion, both pre- and post-administration of trimetazidine produced substantial increases in flap surviving area.*  
İnci Gökalan Kara, MD  
Cüneyt Orhan Kara, MD  
Akin Özden, MD  
Hakan Öçsel, MD
- 172 **The Prognostic Importance of c-myc Oncogene Expression in Head and Neck Melanoma**  
*Expression of the c-myc oncogene in 97 head and neck melanomas was investigated with flow cytometry. High expression was correlated with shorter overall survival as an independent prognostic marker.*  
Jagdeep S. Chana, MD, FRCS  
Rajiv Grover, MD, FRCS  
George D. Wilson, PhD  
et al
- 178 **Detection of E-Cadherin Expression After Nerve Repair in a Rat Sciatic Nerve Model**  
*In a sutured rat sciatic nerve model the level of E-cadherin expression was elevated distally from the third to twenty-first postoperative day, principally in the Schwann cell.*  
Hideyuki Tada, MD, PhD  
Mitsuo Hatoko, MD, PhD  
Aya Tanaka, MD  
et al
- Case Reports**
- 183 **Microvascular Free On-top Plasty in a Mutilated Hand With Invited Discussion by Harry J. Buncke, MD**  
Selçuk Akin
- 188 **Nipple Piercing May be Contraindicated in Male Patients With Chest Implants**  
Nancy de Kleer, MD  
Meir Cohen, MD, MPS  
John Semple, MD, FRCS(C)  
et al
- 191 **Superiorly Based Rectus Abdominis Wraparound Flap for Axillofemoral Graft Sepsis**  
Paul J. Skoll, FCS(SA) Plast, FRCS  
Jarek Kowalczyk, FCS(SA)
- 194 **Digital Constriction Bands in Pseudoainhum: Morphological, Radiographic, and Histological Analysis**  
Evan J. Pickus, MD  
Gerald T. Lionelli, MD  
Elizabeth T. McKinley, MD  
et al
- 199 **Multiple Congenital Epulis of the Alveolar Ridge and Tongue**  
Reha Yavuzer, MD  
Ömür Ataoğlu, MD  
Alper Sari, MD
- 203 **Facial Palsy and Achondroplasia: A Rare Association**  
J. Cerqueiro–Mosquera, FRCS  
A. Penrose–Stevens, FRCS  
M. F. T. Fatah, FRCS (Plast)

**Review Article**

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| 206 | <b>Sentinel Node Biopsy for the Detection of Head and Neck Melanoma: A Review</b> | Steven P. Davison, DDS, MD<br>Matthew S. Clifton, BS<br>Lisa Kauffman, MD<br>Lori Minasian, MD |
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**Editorial**

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| 212 | <b>The Coin of the Realm</b> | William D. Morain, MD |
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**Letters**

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| 213 | <b>Medial Pedicled Orbicularis Oculi Flap for Medial Canthal Resurfacing</b>                                     | Erdem Tezel, MD,<br>Ahmet Sönmez, MD<br>Ayhan Numanoglu, MD                     |
| 213 | <b>Aplasia Cutis Congenita of the Scalp: Excessive Bleeding and Reconstructive Problems</b>                      | Kemal Islamoglu, MD<br>Ege Ozgentas, MD   |
| 214 | <b>Enchondromatosis of the Hand: Severe and Mild Forms, and Treatment Modalities</b>                             | Kutay Ulutaş, MD<br>Adnan Menderes, MD<br>Mustafa Yilmaz, MD                    |
| 215 | <b>Extended Latissimus Dorsi Musculocutaneous Flap for Closure of a Meningomyelocele in a 5-Hour-Old Neonate</b> | Takeshi Kitazawa, MD<br>Motonao Iwasawa, MD, PhD<br>Hiroshi Shinohara, MD       |
| 216 | <b>Nasal Bone Destruction by a Cavernous Hemangioma in an Elderly Patient</b>                                    | Gokhan Adanali, MD<br>Meltem Ayhan, MD<br>Metin Görgü, MD<br>Bülent Erdogan, MD |
| 217 | <b>Investigation of Skin Graft Viability With DMEM and Ham's F-12 Fluids</b>                                     | Zekeriya Tosun<br>T. Murad Aktan<br>Mübin Hoşnüter<br>et al                     |

**Book Review**

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| 219 | <b>Nail Surgery: A Text and Atlas</b> | Kevin C. Chung, MD, MS |
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| 220 | <b>Announcements</b> |  |
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Number 3/September 2001

**Original Articles**

- 223 Rectus Abdominis Muscle Flaps Used Successfully for Median Sternotomy Wounds After Ipsilateral Internal Mammary Artery Ligation** David T. Netscher, MD  
Firas Eladoumikhachi, MD  
Cynthia M. Goodman, MD
- Five sternal reconstructions were successfully performed with rectus abdominis muscle flaps whose IMAs had been previously used for CABG. A fresh cadaver dissection and injection study demonstrated rich collateral circulation, confirming that the muscle may be safely dissected up to the costal margin.*
- 229 Physiological Studies Using Laser Doppler Flowmetry to Compare Blood Flow to the Zones of the Free TRAM Flap** Geoffrey G. Hallock, MD
- Intraoperative laser Doppler flowmetry in 13 free TRAM flaps demonstrated that mean flow through the DIEA was at least twice as great as that through the SEA in all four zones.*
- 234 Reconstructive Management of Advanced Breast Cancer** Bernardo Rivas, MD  
José F. Carrillo, MD  
Gustavo Escobar, MD
- Twenty-one women underwent fasciocutaneous or musculocutaneous flap reconstruction of partial or full-thickness chest wall defects for advanced breast cancer, with or without radiation. No locoregional recurrences were seen.*
- 240 Upper Limb Salvage With Microvascular Bone Transfer for Major Long-Bone Segmental Tumor Resections** Yung H. Gao, MD  
Lawrence L. Ketch, MD  
Firas Eladoumikhachi, MD  
David T. Netscher, MD
- Fourteen young patients underwent vascularized fibula or iliac crest bone transfer for large segmental skeletal defects of the upper extremity after tumor resection. All achieved bony union within 3 to 5 months, although 1 late midhumeral stress fracture through the graft required treatment.*
- 247 Creating Two Independent Fasciocutaneous Free Flaps From a Single Radial Forearm Donor Site** Tunç Şafak, MD  
Mustafa Akyürek, MD
- Bilateral foot defects were reconstructed using two independent free flaps taken from a single radial forearm donor site, one using antegrade and the other retrograde flow. The technique requires sacrifice of only one donor vessel and permits two surgical teams to work simultaneously.*
- 252 Potential Complications of Intralesional Laser Photocoagulation for Extensive Vascular Malformations** David M. Fisher, MD, FRCS  
Cheng-Jen Chang, MD  
Jun-Jin Chua, MBBS (Sing), FRCS (Edin),  
FRCS (Glas)  
et al
- Two patients undergoing intralesional Nd:YAG laser treatment of large vascular malformations developed complications of the therapy. One had severe leukocytosis, thrombocytosis, and hyperkalemia; the other had a sudden fall in hemoglobin.*



- 257     **Neuroma Transposition and Intramuscular Implantation Using the Mitek "Soft-Tissue Anchor": A New Technique**  
  
           *Sixteen peripheral neuromas in ten patients were excised and successfully implanted into muscle tissue with the aid of the Mitek anchor.*  
  
           Darrell Brooks, MD  
           Zubin Panthaki, MD  
           Harry J. Buncke, MD  
           Gregory M. Buncke, MD
  
- 263     **Fingertip Reconstruction Using a Volar Flap Based on the Transverse Palmar Branch of the Digital Artery**  
  
           *Twenty-five volar defects of the middle and distal phalangeal areas were successfully reconstructed using volar flaps based on the transverse palmar branch of the digital artery. All flaps survived and demonstrated mean S2PD of 4.2 mm.*
  
- 269     **A Modified Technique for Harvesting the Reverse Sural Artery Flap From the Upper Part of the Leg: Inclusion of a Gastrocnemius Muscle "Cuff" Around the Sural Pedicle With Invited Discussion by Geoffrey G. Hallock, MD**  
  
           *Nine patients underwent successful reconstruction of foot defects using distally based sural artery flaps that incorporated a midline cuff of gastrocnemius muscle around the sural pedicle. In contrast, five of six similar flaps raised without the muscle cuff demonstrated significant vascular compromise.*  
  
           M. M. Al-Qattan, FRCSC
  
- 279     **Long-term Effects of Extraluminal Dilatation With a Rigid Circle on Arteriovenous Anastomotic Line in Venous Grafts Transposed into Arterial Defects**  
  
           *In a rat carotid artery model using jugular vein grafts, microanastomoses performed with circular titanium stents demonstrated 100% patency at 12 weeks, compared to 75% patency with unstented anastomoses. In the stented group intravascular casts demonstrated wider anastomoses and flow rates were higher.*  
  
           Sebat Karamürsel  
           Aycan Kayıkçıoğlu  
           Dilek Ertay  
           et al
  
- 285     **Full-Thickness Surgical Excision for the Treatment of Inflammatory Linear Verrucous Epidermal Nevus**  
  
           *Four patients with inflammatory linear verrucous epidermal nevi were successfully corrected with full-thickness surgical excision and primary reconstruction. Complete eradication with control of symptoms was achieved in all cases.*  
  
           Betty J. Lee, BS  
           Anthony J. Mancini, MD  
           John Renucci, MD  
           et al
  
- 293     **Skin Grafts Used in Combination With Free Flaps for Intraoral Oncological Reconstruction**  
  
           *Four patients underwent successful immediate reconstruction of oral cancer defects with a combination of free flaps and split-thickness skin grafts. The grafts were especially useful for providing epithelial coverage of ventral tongue defects and exposed flap muscle.*  
  
           Charles E. Butler, MD

- 299 Clinical and Pathological Findings in Reexcision of Incompletely Excised Basal Cell Carcinomas**  
*A retrospective analysis of BCC excisions with histologically positive margins disclosed residual tumor cells in 28 of 100 re-excision specimens. Factors associated with low rates of residual tumor included (1) location in the cheek, eyelid, and ear, (2) dermal inflammatory infiltrate in the specimen, and (3) histologic changes of sun damage.*  
 Alexander Bogdanov–Berezovsky, MD  
 Arnon Cohen, MD  
 Ronen Glesinger, MD  
 et al
- 303 What Is the Best Method for Treating Osmidrosis?**  
*A retrospective outcome review of 189 patients treated for axillary osmidrosis by four different techniques demonstrated the superiority of manual subdermal shaving of subcutaneous and glandular tissue attached to the dermis.*  
 Young-Jin Park, MD  
 Myoung-Soo Shin, MD
- 310 Management Strategies for Pyoderma Gangrenosum: Case Studies and Review of Literature**  
*Pyoderma Gangrenosum was ameliorated in three patients by an aggressive anti-inflammatory program followed by surgical excision and reconstruction. Recurrent ulcers developed in two.*  
 Shai M. Rozen, MD  
 Maurice Y. Nahabedian, MD, FACS  
 Paul N. Manson, MD, FACS
- 316 The Effect of Prostaglandin E1 Versus Ischemia–Reperfusion Injury of Musculocutaneous Flaps**  
*In a rat TRAM-flap model of ischemia-reperfusion injury, injection of PGE-1 throughout the flap at the time of elevation resulted in reduced leukocyte adhesion and decreased expression of ICAM-1 at 24 hours and 5 days after reperfusion, suggesting a protective effect of PGE-1 on reperfused flaps.*  
 Joon Pio Hong, MD  
 Yoon Kyu Chung, MD, PhD  
 Soon-Hee Chung, MD, PhD
- 322 The Differential Expression of N-cadherin in Vascularized and Nonvascularized Nerve Grafts: A Study in a Rat Sciatic Nerve Model**  
*In a rat sciatic nerve graft model, N-cadherin expression was greater in vascularized than nonvascularized grafts postoperatively but returned to normal levels in the fourteenth postoperative week. Histochemical studies localized expression around the regenerated axons.*  
 Mitsuo Hatoko, MD, PhD  
 Hideyuki Tada, MD, PhD  
 Aya Tanaka, MD  
 et al
- Case Reports**
- 328 Free Osteocutaneous Scapular Apophysis Flap for Reconstruction of the Lateral Malleolus**  
 Patrick Faure, MD  
 Francois Canovas, MD  
 Francois Bonnel, MD  
 et al
- 332 Complete Survival of a Free Flap After Early Pseudoaneurysm Formation and Pedicle Thrombosis**  
 P. Ceulemans, MD  
 K. Van Landuyt, MD  
 M. Hamdi, MD  
 et al
- 336 Malignant Melanoma Presenting as Sudden Onset of Complete Hearing Loss**  
 Lachlan Currie, FRCS  
 Abbad Tomma, FRCS

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| 338 | <b>Experience in Upper Eyelid Reconstruction With the Cutler–Beard Technique</b>   | Thomas Fischer, MD<br>Georg Noever, MD<br>Martin Langer, MD<br>Erich Kammer, MD   |
|     | <b>Guest Editorial</b>   |   |
| 343 | <b>Lessons in Economics</b>  | Mark S. Granick, MD   |
|     | <b>Letters</b>   |   |
| 345 | <b>Re: Guidelines for Standard Photography in Plastic Surgery</b>  | Gerhard H. Schmidt, MD  |
| 345 | <b>Noninvasive Wound Closure by Stretching Skin With Hooks Enveloped in Double-Sided Adhesive Tape and Stuck to the Skin</b> | Valdas Macionis, MD   |
| 346 | <b>Infiltrating Lipomatosis of the Face</b>  | Selma Sönmez Ergün, MD<br>Sıdıka Kurul, MD<br>Mithat Ulay, MD<br>Bilge Bİlgiç, MD |
| 348 | <b>Cutaneous Tuberculosis on the Nasal Dorsum</b>  | Bulent Alic, MD<br>Ibrahim Askar, MD  |
| 349 | <b>Can a Tick Mimic a Pigmented Skin Lesion or Melanoma?</b>   | Hayati Akbas, MD<br>Murat Hokelek, MD, PhD<br>Ethem Guneren, MD<br>et al          |
| 350 | <b>Ectrodactyly–Ectodermal Dysplasia Clefting Syndrome</b>   | Gokhan Adanali, MD<br>Dilek Şenen, MD<br>Meltem Ayhan, MD<br>Bülent Erdogan, MD   |
| 350 | <b>Proboscis Lateralis: A Rare Bilateral Case</b>  | Teruichi Harada, MD, PhD<br>Mitinari Muraoka, MD, PhD                             |
| 351 | <b>A Gigantic Squamous Cell Carcinoma With Hypercalcemia Arising in an Old Burn Scar</b>                                     | Nezih Sungur, MD<br>Hidir Kiliç, MD<br>Çağrı Uysal, MD<br>et al                   |
| 352 | <b>Co-occurrence of Fournier's Gangrene and Pancytopenia May Be the First Sign of Acute Myelomonocytic Leukemia</b>          | Kemal Islamoglu, MD<br>Ilhan Serdaroglu, MD<br>Ege Ozgentas, MD                   |
| 353 | <b>A Case of Lymphatic Malformation With Chest Wall Deformity</b>  | Masamitsu Kuwahara, MD<br>Mitsuo Hatoko, MD, PhD<br>Aya Tanaka, MD<br>et al       |

- 354     **Reconstruction of the Medial Canthal Region With the "Triple-Flap" Technique**     Sühan Ayhan MD  
Selahattin Özmen, MD  
Yakup Sarigüney, MD  
et al
- 355     **Lateral Facial Clefts (Macrostomia)**     Ibrahim Askar, MD  
Ali Gurlek, MD  
Kutlu Sevin, MD
- 357     **Announcements**

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Number 4/October 2001

**Original Articles**

- 359     **Capsular Contracture After Cosmetic Breast Implant Surgery in Denmark**     Kim Kjeller, MD  
Lisbet R. Hölmich, MD  
Poul Harboe Jacobsen, MD  
et al  
*A questionnaire and record survey of 754 women with prior augmentation mammoplasty demonstrated capsular contracture in 7.9%, with just over half occurring bilaterally. Overall, 66.1% of contractures were seen in the first 12 months, and 79.0% within 24 months. Double-lumen implants were associated with a lower rate of contracture.*
- 367     **MRI for Detecting Silicone Breast Implant Rupture: Meta-analysis and Implications**     Daniel J. Cher, MD  
Jennifer A. Conwell, BA  
Jack S. Mandel, PhD, MPH  
*A meta-analysis comprising 18 studies demonstrated that MRI is moderately accurate in detecting silicone gel implant rupture. However, the data suggest that MRI is best used as a confirmatory diagnostic test and should not be used for screening asymptomatic women.*
- 381     **Patterns of Oculomotor Nerve Distribution to the Levator Palpebrae Superioris Muscle, and Correlation to Temporary Ptosis After Blepharoplasty**     Kun Hwang, MD, PhD  
Dae Kwang Lee, MD, MS  
In Hyuk Chung, MD, DMSc  
Se Il Lee, MD, DMSc  
*A cadaver study demonstrated that the superior division of the oculomotor nerve extends to the distal third of the levator palpebrae muscle in 2/3 of cases, making it vulnerable to infiltration of local anesthetics during blepharoplasty. Transient postoperative blepharoptosis may thus result.*
- 385     **Simplifying Microvascular Head and Neck Reconstruction: A Rational Approach to Donor Site Selection**     Joseph J. Disa, MD  
Andrea L. Pusic, MD, MHS, FRCS  
David H. Hidalgo, MD, FACS  
Peter G. Cordeiro, MD, FACS  
*A review of 728 free flaps in head and neck oncology patients showed an overall 98.6% success rate despite a 10.9% rate of re-exploration for vascular compromise. Preferred flaps included fibula for mandible, jejunum for hypopharynx, rectus abdominis for midface and skull base, forearm for oral cavity, and latissimus for scalp.*

- 390 **Supercharged Gastric Tube Pull-up Procedure for Total Esophageal Reconstruction**  
*Seven total esophageal reconstructions performed with gastric tube pull-up were supercharged by anastomosis of the short gastrics to various recipient vessels in the neck. All gastropharyngeal anastomoses healed primarily, and swallowing was satisfactory in all cases.*  
 Ken-ichiro Kawai, MD  
 Masao Kakibuchi, MD  
 Masafumi Sakagami, MD  
 et al
- 394 **Management of Radiated Reoperative Wounds of the Cervicothoracic Spine: The Role of the Trapezius Turnover Flap**  
*Six patients with open, irradiated, dura-exposed wounds of the cervicothoracic spine were reconstructed with unilateral turnover flaps of the trapezius muscle based on the transverse cervical vessels. All flaps healed primarily, including one in the presence of exposed hardware.*  
 Joseph J. Disa, MD  
 Andrew W. Smith, MD  
 Mark H. Bilsky, MD
- 398 **Tattoo Removal by Grafting Enzymatically Separated Epidermis**  
*A method for tattoo removal is presented wherein full-thickness skin containing a tattoo is excised, thinned with a dermatome, and the epidermis enzymatically removed and replaced onto the original site. The method, successfully applied in three cases, has the advantage of avoiding a skin graft donor site.*  
 Akihiko Takushima, MD  
 Mutumi Okazaki, MD  
 Kiyonori Harii, MD
- 404 **Hair Removal by Long-Pulse Alexandrite Laser in Oriental Patients**  
*A review of 146 Asian patients undergoing long-pulsed alexandrite laser epilation demonstrated long-term clearance rates around 90% in the leg and axilla after five treatment sessions.*  
 Shiuh-Yen Lu, MD  
 Chien-Chih Lee, MD  
 Yih-Ying Wu, MD
- 412 **The Effect of Gradually Increased Blood Flow on Ischemia–Reperfusion Injury**  
*In a rat hindlimb ischemia-reperfusion model, gradual restoration of flow during reperfusion was associated with lesser injury than sudden restoration of maximal flow.*  
 Şakir Ünal, MD  
 Selahattin Özmen, MD  
 Yavuz Demir, MD  
 et al
- 417 **The Ontogeny of Scarless Healing II: EGF and PDGF-B Gene Expression in Fetal Rat Skin and Fibroblasts as a Function of Gestational Age**  
*Complex analysis of fetal rat skin demonstrated a marked decrease of EGF and PDGF-B gene expression between 16 and 18 days of gestation, the transition point between scarless and scar-forming repair. Although this suggests a role for these cytokines in scarless healing, cell culture studies suggest that fetal fibroblasts are not the cell type responsible for this differential gene expression.*  
 Ziv M. Peled, MD  
 Soo J. Rhee, MD  
 Meier Hsu, BA  
 et al

- 425 Molecular Response to Ischemia–Reperfusion of Rat Skin: Study of Expression of p53, p21<sup>WAF-1</sup>, and Bax Proteins, and Apoptosis**  
*In a rat hindlimb ischemia-reperfusion model, p53 and p21<sup>WAF-1</sup> proteins accumulated in plantar skin after six hours of ischemia, suggesting a role for these proteins in skin survival.*  
 Mitsuo Hatoko, MD, PhD  
 Aya Tanaka, MD  
 Masamitsu Kuwahara, MD  
 Satoshi Yurugi, MD
- Case Reports**
- 431 A Case Study of a Patient With Closed Avulsion Rupture of a Single Slip of the Flexor Digitorum Superficialis Tendon**  
 David T. Netscher, MD  
 Firas Eladounikdachi, MD  
 Adam Schneider, BS
- 435 Preexisting Gastric Carcinoid in a Gastro-omental Free Flap**  
 Brian C. Rich, MD  
 Daniel A. Medalie, MD  
 Michael J. White, MD, FACS
- 438 Primary One-Stage Reconstruction of Cheek Defect After a Shotgun Blast to the Face: Use of the Latissimus Dorsi Musculocutaneous Free Flap for Soft-Tissue Repair and Facial Reanimation**  
 Tunç Şafak, MD  
 Mustafa Akyürek, MD
- 442 A New Contralateral Split-Breast Flap for Breast Reconstruction and Its Salvage After Complication: An Alternative for Select Patients**  
 Thomas Schoeller, MD  
 Thomas Bauer, MD  
 Martin Haug, MD  
 et al
- 446 Cephalic Vein–Pedicled Arterialized Anteromedial Arm Venous Flap for Head and Neck Reconstruction**  
 Tunç Şafak, MD  
 Mustafa Akyürek, MD
- 450 Possibility of Venous Return Through Bone Marrow in the Free Fibular Osteocutaneous Flap**  
 Yuzuru Kamei, MD  
 Hisashi Aoyama, MD  
 Kazuhisa Yokoo, MD  
 et al
- 453 Coverage of a Thumb Wound and Correction of a First Web Space Contracture Using a Longitudinally Split Reverse Radial Forearm Flap**  
 Mustafa Akyürek, MD  
 Tunç Şafak, MD  
 Abdullah Keçik, MD
- 458 A Modified Technique of Using the Tongue Tip for Closure of Large Anterior Palatal Fistula**  
 M. M. Al-Qattan, FRCSC
- 461 Sensate Sole-to-Sole Reconstruction Using the Combined Medial Plantar and Medialis Pedis Free Flap**  
 Sug Won Kim, MD  
 Joon Pio Hong, MD  
 Yoon Kyu Chung, MD  
 Kwan Chul Tark, MD, FACS
- 465 Severe Wrist Contracture in a Child With Linear Scleroderma**  
 W. Glenn Lyle, MD  
 Rita Jerath, MD

# Guest Editorial

- 468    **Lessons From Across the Pond**    David J. Smith, Jr., MD

# Letters

- 470    **A New Method of Conveying the Pedicle Through a Subcutaneous Tunnel in Free Flap Surgery**    Erdem Tezel, MD  
Ahmet Sönmez, MD  
Mehmet Bayramçılı, MD  
et al
- 470    **A New Swing of the Atasoy Volar V-Y Flap**    Erdem Tezel, MD  
Ayhan Numanoglu, MD
- 471    **Correction of Cryptotia Using Full-Thickness Skin Grafts**    Elaine L. B. Hodgson, MB, BCh, FRCSEd  
Alan D. McGregor, MD, FRCS(Plast)
- 472    **Double Auricle?**    Ibrahim Askar, MD  
Ali Gurlek  
Kutlu Sevin
- 474    **Announcements**

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# Original Articles

- 477    **Association Between Maternal Diabetes Mellitus and Newborn Oral Cleft**    Sandra V. Spilson, MPH  
Huyi Jin Elizabeth Kim, BA  
Kevin C. Chung, MD  
*A population-based, case-control study of 2,207 live births with cleft lip/palate and 4,414 randomly selected controls demonstrated that diabetic mothers had 1.352 times the likelihood of delivering a newborn with cleft lip/palate than non-diabetic mothers ( $p < 0.05$ ).*
- 482    **Treatment of Wrinkles With the Nonablative 1,320-nm Nd:YAG Laser**    Jean Luc Levy, MD  
Mario Trelles, MD, PhD  
Jean Michel Lagarde, PhD  
et al  
*After receiving two monthly sessions of periocular wrinkle treatment with the nonablative 1,320 nm pulsed Nd:YAG laser, thirteen patients demonstrated histologic improvement in the sun-damaged dermis. However, nearly all patients failed to see any visible improvement.*
- 489    **Silicone Implant Correction of Pectus Excavatum**    Gottfried Wechselberger, MD  
Markus Öhlbauer, MD  
Josef Haslinger, MD  
et al  
*Twenty-four adult patients with pectus excavatum were treated with subcutaneous implantation of silicone prostheses with 80% excellent results. Complications included 13 seromas and four hematomas.*



- 494 Is Negative Ulnar Variance a Risk Factor for Kienböck's Disease? A Meta-analysis**  
*A meta-analysis of three evaluable studies demonstrated that the odds of Kienböck's disease was 3.10 times more likely to occur in association with negative ulnar variance, but this did not reach statistical significance ( $p=0.06$ ).*  
Kevin C. Chung, MD  
Sandra V. Spilson, MPH  
Hyungjin Myra Kim, ScD
- 500 Innervation of the Sinus Tarsi and Implications for Treating Anterolateral Ankle Pain**  
*A study of the lateral terminal branch of the deep peroneal nerve in both feet of 14 cadavers demonstrated a consistent pattern with two to four end-branches innervating the anterolateral part of the subtalar joint. This anatomy may prove useful in diagnosing and treating anterolateral ankle pain of neural or traumatic origin from sprains or fractures.*  
Matthias Rab, MD  
Johannes Ebmer, BA  
A. Lee Dellon, MD
- 505 Use of Distally Based Superficial Sural Island Artery Flaps in Acute Open Fractures of the Lower Leg**  
*Seven open lower-third leg fractures were resurfaced early with reversed superficial sural artery fasciocutaneous flaps. Despite one infection and two cases of superficial flap loss, all went on to wound healing and bony union.*  
Shivram Singh, FRCS  
Anas Naasan, FRCS, FRCS(Plast)
- 511 Bipedicle Fasciocutaneous Flaps for Inframalleolar Vascular Graft Coverage at the Ankle/Foot**  
*Nine exposed saphenous vein grafts after inframalleolar bypass were successfully covered with longitudinally oriented bipediced fasciocutaneous flaps and compensatory split-thickness skin grafts.*  
Rajiv Sood, MD  
Ryan P. Flannagan, BA  
Stephen Lalka, MD  
et al
- 517 Anatomic Basis of the Gastrocnemius Perforator-Based Flap**  
*A study of 10 fresh cadaver legs demonstrated at least two substantive calf fascial perforators in each, at least one of which overlay the medial gastrocnemius muscle. The data suggest that 90% of limbs would be suitable for the elevation of a gastrocnemius perforator-based flap without the need for muscle sacrifice.*  
Geoffrey G. Hallock, MD
- 523 Fournier's Gangrene: Etiology, Treatment, and Complications**  
*A retrospective review of 22 men and one woman with Fournier's gangrene demonstrated 83% survival, with the remainder dying of sepsis, renal failure, and pulmonary embolus. Treatment included early aggressive debridement, parenteral antibiotics, and delayed closure, some with advancement flaps. Diverting colostomy was used in eight.*  
Azize Kılıç, MD  
Yılmaz Aksoy, MD  
Ali Kılıç, MD

- 528     **Anatomic Study of the Insertions of the Levator Aponeurosis and Müller's Muscle in Oriental Eyelids**  
*A study of 10 upper eyelids in Japanese fixed cadavers demonstrated that the densely collagenous levator aponeurosis transformed distally into fine elastic fibers that inserted into the pretarsal orbicularis layer but not into the tarsus. A separate distinct fascia covered the anterior aspect of the tarsus as an extension of Müller's muscle.*  
Ushio Haramoto, MD  
Tateki Kubo, MD  
Michio Tamatani, MD  
et al
  
- 534     **Monitoring of Rat Skin Flap Ischemia by Bioelectrical Impedance Measurements**  
*In a rat McFarlane flap model, it was possible to determine correctly the non-surviving portion of the flap at three hours by measuring a decrease in bioelectrical impedance in the skin.*  
Kemal Islamoglu, MD  
Ege Ozgentas, MD
  
- 540     **Protective Effect of Fucoidin (a Neutrophil Rolling Inhibitor) on Ischemia Reperfusion Injury: Experimental Study in Rat Epigastric Island Flaps**  
*In a rat epigastric island flap model of ischemia-reperfusion injury, the administration of Fucoidin before reperfusion was shown to limit tissue injury, presumably by inhibiting neutrophil rolling in a dose-dependent manner.*  
Cengiz Çetin, MD  
A. Aydan Köse, MD  
Erinç Aral, MD  
et al
  
- 547     **Effects of Varying Levels of Subatmospheric Pressure on the Rate of Granulation Tissue Formation in Experimental Wounds in Swine**  
*In a swine excised-wound model, sub-atmospheric pressure dressings at 125 mm Hg vacuum were more effective ( $p < 0.0001$ ) in promoting granulation tissue than at vacuum pressures of 25 or 500 mm Hg. Wounds treated at 125 mm Hg with an unregulated air leak in the drape showed actual enlargement because of dehydration.*  
Michael J. Morykwas, PhD  
Byron J. Faler, BS  
Daniel J. Pearce, BA  
et al
  
- Case Reports**
  
- 552     **Toxic Shock Syndrome Associated With the Use of the Vacuum-Assisted Closure Device**  
Daniel N. Gwan-Nulla, MD  
Rolando S. Casal, MD
  
- 555     **Acute Nerve Grafting in Traumatic Injuries: Two Case Studies**  
V. Sud, MD  
J. Chang, MD  
W. Lineaweaver, MD
  
- 562     **Intrauterine Stab Leading to a Radial Nerve Palsy**  
Andrew N. Fleming, FRCS  
Craig Quarmby, MB, CHB  
Don A. Hudson, FRCS
  
- 565     **Invasive Streptococcal Infection of the Periorbital and Forehead**  
Robert L. Gates, MD  
William M. Cocke, MD  
Thomas C. Rushton, MD

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| 568              | <b>Use of Distally Based Saphenous Neurofasciocutaneous and Musculofasciocutaneous Cross-Leg Flaps in Limb Salvage</b> | Serkan Yildirim, MD<br>Mithat Akan, MD<br>Kaan Giderodğlu, MD<br>et al               |
| <b>Editorial</b> |  |  |
| 575              | <b>Conflicts of Compounding Interest</b>   | William D. Morain, MD  |
| <b>Letters</b>   |  |  |
| 576              | <b>Re: Tissue Adhesives</b>  | Sukh Rayatt, FDS, FRCS<br>Urmila Pandey, MRCPATH<br>Atul Khanna, MBA, FRCS (Plast)   |
| 576              | <b>Simultaneous Bilateral Outfracture Technique for Medial Decompression of the Orbit in Malignant Exophthalmos</b>    | Tateki Kubo, MD<br>Ushio Haramoto, MD<br>Kenji Yano, MD<br>et al                     |
| 577              | <b>Negative Pressure for the Management of an Exposed Vascular Dacron Polyester Patch</b>                              | Uberto M. Giovannini, MD<br>Roland G. Demaria, MD<br>Paul-André Chaptal, MD<br>et al |
| 578              | <b>Microsurgical Modification of the Deltopectoral Flap</b>  | Ken-ichiro Kawai, MD<br>Masao Kakibuchi, MD<br>Chihiro Hatta, MD<br>et al            |
| 579              | <b>Use of Rubber Segment of an Infusion Set as Orthodontic Rubber Bands</b>  | Selma Sönmez Ergün, MD   |
| 580              | <b>Ectrodactyly–Ectodermal Dysplasia–Cleft Lip and Palate Syndrome in Twins</b>  | Leonid Kogan, MD, PhD<br>David Ariely, MD<br>Leonid Kapitulsky, MD<br>et al          |
| 581              | <b>A Massive Plantar Keloid</b>  | Gurcan Aslan, MD<br>Ahmet Terzioğlu, MD<br>Bülent Çiğşar, MD                         |
| 581              | <b>A 50-Year History of Hemangioma Over the Right Eye</b>  | Gökhan Adanali, MD<br>Dilek Şenen, MD<br>Bülent Erdoğan, MD                          |
| 582              | <b>Bilateral Variations of the Abductor Pollicis Longus</b>  | Ümit S. Şehirli, MD, PhD<br>Safiye Çavdar, PhD<br>Mehtap Yüksel, PhD                 |
| 583              | <b>Giant Hairy Nevus of the Back</b>   | Hemant Saraiya, MS, MCh(Plast)   |

## Book Reviews

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| 585 | <b>The Forehead and Temporal Fossa, Anatomy and Technique</b> | Oscar M. Ramirez, MD                             |
| 585 | <b>Surgery On Call</b>  | Lynn L. C. Jeffers, MD<br>David J. Smith, Jr, MD |
| 587 | <b>Announcements</b>  |  |

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### Original Articles

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| 589 | <b>Aesthetic Modification for Delayed Autologous Breast Reconstruction: Using a Thoracodorsal Flap to Create a Breast Pocket</b>  | Donald A. Hudson, FRCS  |
|     | <i>In delayed breast reconstruction, a thoracodorsal flap is fashioned into a "breast pocket" and filled with a de-epithelialized TRAM flap, thereby avoiding the mismatch of abdominal skin on the breast.</i>   |   |
| 594 | <b>Measurement of the Volume of the Pedicled TRAM Flap in Immediate Breast Reconstruction</b>   | Kao-Ping Chang, MD<br>Sin-Daw Lin, MD<br>Ming-Feng Hou, MD<br>et al                   |
|     | <i>An intraoperative method for determining TRAM flap volume measures saline displacement in a container. Studies on 28 patients demonstrated that measurement of volume matched more closely than that of weight to the size of the mastectomy specimen.</i> |   |
| 602 | <b>Detection of Recurrent Breast Cancer After TRAM Flap Reconstruction</b>  | Nina Shaikh, MD<br>Gregory LaTrenta, MD, FACS<br>Alexander Swistel, MD, FACS<br>et al |
|     | <i>A study of three patients with local recurrence of breast cancer after TRAM flap reconstruction confirmed that fine-needle aspiration with or without open biopsy is the best method for detecting recurrence.</i>   |   |
| 608 | <b>Nipple–Areolar Reconstruction: A Different Approach to Skin Graft Fixation and Dressing</b>  | Steven Liew, MD<br>Joseph Disa, MD<br>Peter G. Cordeiro, MD                           |
|     | <i>Fenestrated hydropolymer dressings were used in 278 nipple-areolar reconstructions with only a single partial skin graft loss. The dressing provided graft compression, fluid absorption, a moist environment, and maximal comfort.</i>                    |   |
| 612 | <b>Soft-Tissue Reconstruction of the Face Using the Folded/Multiple Skin Island Radial Forearm Free Flap</b>  | Joseph J. Disa, MD, FACS<br>Steven Liew, MD<br>Peter G. Cordeiro, MD, FACS            |
|     | <i>Seventeen complex soft tissue defects of the face were reconstructed with folded, multiple-island forearm free flaps. Flap survival was 100%, and aesthetic results were good to excellent in 76%.</i>   |   |

- 620 Changes in Fresh Nasal Bone Fractures With Time on Computed Tomographic Scans**  
*Serial CT scans on 20 fresh nasal bone fractures demonstrated substantial improvement in contour during the month after reduction, suggesting the presence of self-correcting forces in nasal remodeling.*  
Hisashi Motomura, MD  
Michinari Muraoka, MD  
Yabe Tetsuji, MD  
et al
- 625 Color Doppler Sonography in Monitoring After Free Jejunum Transplantation**  
*Daily color Doppler imaging was used in the monitoring of seven patients after free jejunum transplantation for total pharyngoesophageal reconstruction. B-mode examination disclosed not only the anastomotic patency but also the detail of the thickness and plicae circulares of the jejunal wall.*  
Ken-ichi Homma, MD  
Masanobu Mitani, MD  
Tatsuya Fujita, MD  
et al
- 629 Surgical Repair for Congenital Macrostomia: Vermilion Square Flap Method**  
*Transverse facial clefts of eight patients were corrected with a technique combining a lower lip mucocutaneous vermilion border flap with a lazy W-plasty. Use of the W-plasty avoided the cheek deformity often associated with a Z-plasty.*  
Tomoaki Eguchi, MD, PhD  
Hiroataka Asato, MD, PhD  
Akihiko Takushima, MD, PhD  
et al
- 636 Experience With Surgical Treatment of Hidradenitis Suppurativa**  
*A review of 23 surgically managed cases of hidradenitis suppurativa demonstrated higher rates of recurrence in more severe cases, most likely because of incomplete resection. Musculocutaneous flaps were found useful in controlling residual infection.*  
Aya Tanaka, MD  
Mitsuo Hatoko, MD, PhD  
Hideyuki Tada, MD, PhD  
et al
- 643 The Effect of Twisting on Microanastomotic Patency of Arteries and Veins in a Rat Model**  
*In a rat femoral vessel model, increased vascular twisting at the time of anastomosis resulted in lower patency rates at 3 days. Venous anastomoses were more vulnerable to twist-induced thrombosis than arterial anastomoses.*  
Marzia Salgarello, MD  
Pascal Lahoud, MD  
Gennaro Selvaggi, MD  
et al
- 647 Comparison of a New Method for Computer Analysis With Standard Techniques for Measuring Survival Rates in the Rat Transverse Rectus Abdominis Musculocutaneous Flap**  
*In a rat TRAM flap model, per cent flap survival was determined using electronic bitmap scanning. The method was found to be comparable with the traced template-weighing method.*  
Kazufumi Sano, MD  
Geoffrey G. Hallock, MD  
Thomas E. Wasser, PhD  
et al

**652 Acute Alterations in Muscle Flap Microcirculation During Tumor Necrosis Factor Alpha-Induced Inflammation**

Gokhan Adanali, MD  
Kagan Ozer, MD  
Maria Siemionow, MD, PhD

*In a rat cremaster-muscle model of ischemia-reperfusion, arterial preinfusion of TNF- $\alpha$  resulted in 3- to 4-fold increases in rolling, adhering, and transmigrating leukocytes during the first 3 hours of reperfusion. In addition a vasodilatory effect was noted in third- and fourth-order arterioles.*

**660 Dermal Fibroblasts Genetically Engineered to Release Nerve Growth Factor**

Charles W. Patrick, Jr, PhD  
Bei Zheng, MD  
Mathias Schmidt, PhD  
et al

*Rat dermal fibroblasts genetically modified by transfection to release rat NGF demonstrated high NGF release rates at day 1, with lower sustained-release rates on days 2 and 3. The study confirms the potential of dermal fibroblasts to function as Schwann cells.*

**Case Reports**

**666 A Composite Medial Plantar Flap for the Repair of an Achilles' Tendon Defect: A Case Report**

Charles Edouard Dumont, MD  
Johnny Kessler, PT

**669 Cerebriform Fibrous Proliferation vs. Proteus Syndrome**

Reha Yavuzer, MD  
Ömer Uluoğlu, MD  
Alper Sari, MD  
et al

**Tips and Techniques**

**673 New Adjustable Suture Technique for Managing Eyelid Ptosis**

Huseyin Borman, MD

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**678 Life at a Discount**

William D. Morain, MD

**Letters**

**679 Re: The Use of Serial Tissue Expansion in Pediatric Plastic Surgery**

R. Erkin Unlu, MD  
Ömer Ensöz, MD  
A. Çagri Uysal, MD

**679 Reply**

D. A. Hudson, FRCS

**679 Practice Opportunities for Plastic Surgeons in Smaller Communities**

W. M. Cocke, Jr, MD, FACS

**680 Necrotizing Fasciitis**

Laszlo H. Kovacs, MD  
Markus Kloeppel, MD  
Nikolaos A. Papadopoulos, MD  
et al

- 682    **Incomplete Anterior Interosseous Nerve Syndrome: Use  
of Tendon Transfer to Expedite Recovery**    Amy K. Alderman, MD  
Kevin C. Chung, MD
- 683    **Primary Cutaneous Cryptococcosis in an  
Immunocompetent Patient: Surgical Management**    B. Hontanilla, MD, PhD  
R. Ruiz de Erenchun, MD  
G. Toledo, MD  
et al
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- 684    **Peaceful Wounds—A Philosophy of Surgery**    Leonard W. Glass, MD
- 685    **Announcements**
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